DEPARTMENT OF THE ARMY
UNITED STATES ARMY TACOM LIFE CYCLE MANAGEMENT COMMAND
6501 EAST 11 MILE ROAD
WARREN, MICHIGAN 48397-5000

REPLY TO ATTENTION OF:

AMSTA-PM-LAV April 10, 2007

To whom it may concern:

Attached is a Request for Information on the system you may plan to propose for the Marine Personnel Carrier. The information you provide will be used by the United States Marine Corps in the development of internal program documentation for the Marine Personnel Carrier. The information will not be disclosed outside the Government but may be used by contractors employed in support of the Marine Personnel Carrier in the development of internal program documentation. Any information submitted will be protected in accordance with the markings provided by you in your submission.

It is requested that you provide your response by close of business April 27, 2007 to Mr. James Biga, PM-LAV, via email at bigaj@tacom.army.mil. Should you have any question please contact Mr. Biga at (586) 574-8352.

Sincerely,

James W. Biga
Chief, Marine Corps Acquisition Team
PM-LAV

The information required herein is subject to change based on evolving requirements for the Marine Personnel Carrier. Any future Request for Proposal may have different requirements than those stated herein or on the Marine Personnel Carrier web page located at www.contracting.tacom.army.mil/majorsys/mpc/mpc.htm

Marine Personnel Carrier
Request For Information
Technical Information –Part I

1	Vehicle nomenclature and model designator, if applicable	
2	Personnel Carrier version vehicle dimensions	N/A
3	Overall length (in inches)	
4	Reducible length (in inches) (Note: Provide description of items removed, timeline and tools required by creating a Note 4 and appending it to the bottom of this questionnaire.)	
5	Overall height (in inches)	
6	Reducible height (in inches) (Note: Provide description of items removed, timeline and tools required by creating a Note 6 and appending it to the bottom of this questionnaire.)	
7	Overall width (in inches)	
8	Reducible width (in inches) (Note: Provide description of items removed, timeline and tools required by creating a Note 8 and appending it to the bottom of this questionnaire.)	
9	Minimum ground clearance (in inches) (Note: Provide description of location by creating a Note 9 and appending it to the bottom of this questionnaire.)	
10	Personnel Carrier version major vehicle components	N/A
11	Engine	N/A
12	Manufacturer	
13	Model designator	
14	Maximum horsepower (Note: Provide torque curves by creating a Note 14 and appending it to the bottom of this questionnaire.)	
15	Transmission	N/A
16	Manufacturer	
17	Model designator	
18	Number of forward gears with gear ratios	
19	Number of reverse gears with gear ratios	
20	Torque converter rating	
21	Transfer case	N/A
22	Manufacturer	
23	Model designator	
24	Number of gears	
25	Does the transfer case include a neutral position? (Yes or No)	
26	Suspension system	N/A
	Wheeled vehicles only Items 27 - 59	N/A
27	Number of wheels	
28	Tire size	
29	Axle #1	N/A
30	Steerable? (Yes or No)	
31	Suspension type	
32	Wheel travel	N/A
33	Jounce (in inches)	

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34	Rebound (in inches)	
35	Axle #2	N/A
36	Steerable? (Yes or No)	
37	Suspension type	
38	Wheel travel	N/A
39	Jounce (in inches)	
40	Rebound (in inches)	
41	Axle #3, if applicable	N/A
42	Steerable? (Yes or No)	
43	Suspension type	
44	Wheel travel	N/A
45	Jounce (in inches)	
46	Rebound (in inches)	
47	Axle #4, if applicable	N/A
48	Steerable? (Yes or No)	
49	Suspension type	
50	Wheel travel	N/A
51	Jounce (in inches)	
52	Rebound (in inches)	
53	Axle #5, if applicable	N/A
54	Steerable? (Yes or No)	
55	Suspension type	
56	Wheel travel	N/A
57	Jounce (in inches)	
58	Rebound (in inches)	
59	All Wheel drive? (Yes or No)	
	Tracked vehicles only Items 60 – 66	N/A
60	Number of road wheels (qty)	
61	Suspension type	
62	Track	N/A
63	Type	
64	Width (in inches)	
65	Length in contact with ground on hard surface (in inches)	
66	Other (Note: If there are other suspension system characteristics or features that warrant description, then create a Note 66 and append it to the bottom of this questionnaire.)	
67	Personnel Carrier version weight	N/A
68	Base vehicle ballistic protection	N/A
69	Horizontal KE threat (STANAG 4569 level)	
70	Overhead KE threat (STANAG 4569 level)	
71	Mine blast threat (IAC level)	
72	Other (Note: If there are other types of ballistic threats that the base vehicle, without kits, provides, identify them by creating a Note 72 and appending it to the bottom of this questionnaire.)	

73	Fuel capacity (in US gal)	
74	Crew size (qty)	
75	Passenger capacity (qty)	
76	Self-defense weapon #1, if applicable	N/A
77	Model designator/caliber	
78	# of ready rounds	
79	# of stowed rounds	
80	Self-defense weapon #2, if applicable	N/A
81	Model designator/caliber	
82	# of ready rounds	
83	# of stowed rounds	
84	Curb weight (in lbs) (Note: This is the weight of a complete vehicle including a full complement of fuel and lubricants, weapons and ammunition. It does not include crew and their personal gear, passengers and their personal gear or any appliqué armor kits.	
85	Maximum gross vehicle weight (in lbs) (Note: This is the weight identified as the design limit for the entire vehicle system. Also include a description of the limiting feature, i.e. suspension capacity, drive train torque, etc)	
86	Appliqué armor kit #1	N/A
87	Designator	
88	Horizontal KE threat (STANAG 4569 level)	
89	Overhead KE threat (STANAG 4569 level)	
90	Mine blast threat (IAC level)	
91	Weight (in lbs) (Note: The kit weight must include the weight of the appliqué armor and all attaching /mounting hardware.)	
92	Vehicle dimension impact (Note: If this appliqué armor kit impacts any of the vehicle dimensions in Items 3, 5 or 7 above, identify the impacts in a Note 92 and append it to the bottom of this questionnaire.)	
93	Appliqué armor kit #2	
94	Designator	
95	Horizontal KE threat (STANAG 4569 level)	
96	Overhead KE threat (STANAG 4569 level)	
97	Mine blast threat (IAC level)	
98	Weight (in lbs) (Note: The kit weight must include the weight of the appliqué armor and all attaching /mounting hardware.)	
99	Vehicle dimension impact (Note: If this appliqué armor kit impacts any of the vehicle dimensions in Items 3, 5 or 7 above, identify the impacts in a Note 99 and append it to the bottom of this questionnaire.)	
100	Additional armor (in lbs) (Note: If the base vehicle with appliqué armor kit(s) applied does not provide the threshold levels of protection required for the MPC, then provide an estimated weight of	

	the additional armor and attaching/mounting hardware.)	
101	Personnel Carrier version electrical system	N/A
102	Voltage (12VDC or 24 VDC or other rating)	
103	Alternator (amperes at engine idle speed)	
104	Batteries	N/A
105	Model designator	
106	Quantity	
107	Auxiliary power unit, if applicable	N/A
108	Manufacturer	
109	Model designator	
110	Fuel type	
111	Fuel capacity	
112	Output (qty VDC, qty VAC, etc)	
113	Weight (in lbs) (Note: This is the weight of the APU with a full complement of fuel and lubricants.)	
114	Audible noise at idle (qty dbA at qty feet)	
115	Personnel Carrier version vehicle performance	N/A
116	Maximum forward speed (in miles / hour on flat hard surface road)	
117	Maximum reverse speed (in miles / hour on flat hard surface road)	
118	Minimum forward speed (in miles / hour at engine idle in low gear)	
119	Turning radius (in feet, wall to wall)	
120	Maximum vertical step (in feet)	
121	Trench crossing capability (in feet)	
122	Maximum grade (%)	
123	Maximum side slope (%)	
124	Braking distance (in feet, from 20 mph to 0 mph)	
125	Braking distance (in feet, from 60 mph to 0 mph)	
126	Acceleration (in seconds, from 0 mph to 20 mph)	
127	Range (in miles) (Note: The conditions (i.e. vehicle speed, vehicle weight, road type (hard surface vice secondary), terrain (level vice rolling hils), etc.) under which this capability is provided must be identified as Note 127 and appended to this questionnaire.)	
128	Other characteristics (Note: If there are other noteworthy vehicle characteristics that have not been identified in any of the previous items, identify those characteristics in a Note 128 and append it to this questionnaire. It is preferred that any parameters identified in this note include units of measure as well as the conditions under which the performance was measured.	

	Note: The following cost information is to be based on the following: Current year (2007) US dollars 600 Personnel Carriers spread evenly over 5 production years No mix of other vehicle types Burdened average production hardware price No costs for typical data or service deliverables such as technical manuals, test support, training, etc.	
1	Average production hardware price of currently configured baseline vehicle as identified in Part I Item 1 (in $K US)	
2	Average production hardware price of vehicle configured to achieve the threshold performance parameters identified in the MPC attributes matrix dated 19 Mar 07 (in $K US)	
3	Production lead time (in months) (Note: This is the time from contract award or production option exercise until the 1st production vehicle has been inspected and is ready for shipment.	